

Summary of Indian Standard Specification for General Purpose Thinner IS 14314: 1995

Scope:

This standard outlines the requirements and testing methods for general-purpose thinners used in synthetic paints and varnishes, including primers and enamels. The thinner reduces paint consistency for various application methods.

Requirements:

- **Description:** Composed mainly of aliphatic and aromatic hydrocarbons, with potential additives for properties like flow and gloss.
- **Key Characteristics:**
 - **Odour:** Non-pungent; must evaporate without staining.
 - **Density:** 0.76 to 0.81 at 27°C.
 - **Distillation Range:** 120°C to 240°C (95% recovery).
 - **Flash Point:** Minimum 30°C.
 - **Residue:** Max 25 mg/100 ml.
 - **Hydrocarbon Content:** Minimum 95%.
 - **Water Content:** Max 0.5%.
 - **Copper Corrosion:** Must not corrode copper.

Keeping Quality:

Must meet specifications for at least one year when stored properly.

Packing and Marking:

- Packed in tins or un-galvanized steel drums, compliant with safety regulations for flammable materials.
- Containers must be marked with the material name, manufacturer details, volume, and production date.

Sampling:

Sampling should follow specified guidelines, with appropriate safety labelling on containers.

This summary encapsulates the essential elements of the specification for quick reference.